

Name: _____

Simple Random Samples Homework #2

1. You were just assigned a new book to read for English class and it looks pretty long. You open the book to a random page in the middle of a chapter and count 520 words on the two open pages. If the book has 340 pages, predict how many words are in the entire book.

Is your sample a valid representation of the whole book? Explain your answer.

2. When you went home, you complained to your mom about the length of your new book. Your mom opened the book to the first page of chapter 1 (which only has about half the page filled) and counted 120 words in two pages. Based on your mom's sample, estimate many words would be in the entire book.

Is your mom's sample a valid representation of the whole book? Explain your answer.